Need a new way to meet the science core and engage your students?

Consider

Science Olympiad

Science Olympiad was created in 1983 to **increase interest in science and engineering**. The team structure and nature of the Science Olympiad events **promotes communication, problem solving and team building skills** as well as scientific principle application. The Science Olympiad is the only program specifically **cited in the National Research Council National Science Education Standards** as one which helps educators meet their standards, especially regarding inquiry. In a recent NSF study, 90% of student indicated that participation had increased their enjoyment of science and 30 % claimed that participation had improved their science grades.

A student that competed in *Science Olympiad* during her high school years says, "My participation in the *Science Olympiad* **strengthened my desire to study science**. I loved going to *Science Olympiad* because I was able to do **hands-on experiments**, associate with other students interested in science, and explore different fields of science. I expanded my basic knowledge of chemistry and biology to other areas such as geology and astronomy. I am currently **majoring in chemistry, partly because of *Science Olympiad*.**"

Come join us on
Saturday April 1, 2006

at Weber State University
for the State Science Olympiad tournament

Visit with student competitors and teacher coaches
to find out why they think
Science Olympiad is <u>fun and important</u>.

Contact Dr. Sharon Ohlhorst for more information
sohlhorst@weber.edu or 801-626-6160
or visit our web site: weber.edu/sciencecenter

SPECTATOR EVENTS:

Event	Division	Time	Place
Balloon Glider	B	10:50 AM - 3.20 PM	Dee Event Center
Bottle Rocket	B	9:40 AM - 2:10 PM	East Parking Lot
Bridge Building	B	10:50 AM - 3:20 PM	UB 338/340
Horizontal Bottle Rocket	C	10:50 AM - 3:20 PM	East Parking Lot
Mission Possible	B	8:30 AM - 3:20 PM	Ballroom B
Naked Egg Drop	B	12:00 PM - 3:20PM	UB
Robot Ramble	C	10:50 AM - 3:20 PM	Ballroom C
Sounds of Music	B	10:50 AM - 3:20 PM	UB Wildcat Theater
Storm the Castle	B/C	10:50 AM - 3:20 PM	Dee Event Center
Tower Building	C	10:50 AM - 3:20 PM	UB 338/340
Wright Stuff	B	10:50 AM - 3:20 PM	Dee Event Center

DESCRIPTIONS:

- Balloon Glider: Teams will fly a glider, which they have previously constructed, from a balloon to its maximum flight time.
- Bottle Rocket: Teams will launch rockets they have designed and constructed to stay aloft the greatest amounts of time.
- Bridge Building: Teams will test the strength of the bridge they have designed and built to see if it is the lightest bridge with the highest structural efficiency capable of supporting a load of up to 15 kg over a given span.
- Horizontal Bottle Rocket: Teams will launch two rockets they have designed and constructed to hit nearest to a target.
- Mission Possible: Teams will show their designed, built, tested and documented Rube Goldberg- like device that completes a required task and incorporates up to 24 simple machines connected in a series.
- Naked Egg Drop: A team will construct a device that will be placed on the ground level to prevent an egg from breaking when dropped from increasing heights.
- Robot Ramble: Teams compete with robots they have designed and built that are capable of performing certain tasks on a prescribed playing field.
- Sounds of Music: Teams will play a piece of music on an instrument they have designed and built, as well as answer questions on the principles of music.
- Storm the Castle: Teams compete to see who has designed, constructed, calibrated and can operate a device capable of launching a projectile as far and as accurately as possible using only the energy of a falling counterweight.
- Tower Building: Teams will test their designed and constructed tower to see if it is the lightest tower to hold a maximum load.
- Wright Stuff: Teams have constructed and will fly a rubber-powered model airplane to its maximum flight time.